

Title (en)

Process for the preparation of silicon nitride by carbonitridation of silica and silicon nitride particles free of whiskers

Title (de)

Verfahren zur Herstellung von Siliziumnitrid durch Karbonitridierung von Siliziumoxid und whiskerfreien Siliziumnitridteilchen

Title (fr)

Procédé de préparation de nitrure de silicium par carbonitruration de silice et nitrure de silicium sous forme de particules exemptes de whiskers

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Application

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Priority

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Abstract (en)

[origin: EP0524848A1] The invention relates to a process for the preparation of silicon nitride. According to this process, a primary mixture of silicon and carbon is taken and incorporated in a matrix or a porous layer based on carbon before the carbonitridation reaction. This process makes it possible to obtain Si₃N₄ in the form of particles of regular and controlled shape, free of whiskers.

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